CLAIMS

1. Watch with a mechanical movement including two tourbillons (11, 12), which are mounted on a common rotating support (21) and coupled by gear trains to the same median element (D), the rotating support being driven by a mechanical energy source (13) and connected to an analogue time display device.

2. Watch according to claim 1, characterized in that the rotating support (21) completes two revolutions per day and carries an hour hand (25).

3. Watch according to claim 2, characterized in that an hour wheel (18), fixed to the rotating support (21), drives a minute hand (71) via a motion work (16, 19, 20) on which said mechanical energy source acts.

4. Watch according to claim 2, characterized in that the hour hand is formed by a bar fitted with bearings (29, 30) for carrying the top pivots of the tourbillons, said bar including an annular portion provided with a seconds scale (28) above one of the tourbillons, which carries a seconds hand (31).

5. Watch according to any of the preceding claims, characterized in that said median element is formed by a differential gear (D).

6. Watch according to claim 5, characterized in that the differential gear is centred on the axis of rotation (44) of the rotating support and includes a support element (58, 63) which is rotatably mounted and immobilised by a friction device.

7. Watch according to claim 6, characterized in that said friction device is arranged in a time setting train (74) acting on the support element (58, 63), such that the friction couple produced by said device is multiplied by the time setting train to act on the support element.

8. Watch according to claim 6, characterized in that the respective drive pinions (33, 34) of the tourbillons are each connected to a respective wheel (63, 55) of the differential gear by a going train.

9. Watch according to claim 1, characterized in that the tourbillons are two in number and are identical.